IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An information processing apparatus comprising:

data storing means;

first and second data input/output means for giving access to the data storing means;

clock generating means for supplying a clock signal to the first and the second data

input/output means;

switching means for switching access of the first data input/output means and or the

second data input/output means to the data storing means; and

access arranging means for causing the clock signal to for the second data input/output

means to wait be stopped and not allowing the second data input/output means to access the data

storing means, and for executing the access of the first data input/output means earlier than the

second data input/output means when a contention of the access of the first data input/output

means and the second data input/output means to the data storing means is generated, and for

starting the access of the second data input/output means after the access of the first data

input/output means is ended.

2. (Currently Amended) An information processing apparatus comprising:

a built-in memory;

a processor for processing data stored in the built-in memory;

clock generating means for supplying a clock signal to the processor;

input/output control means for executing access to the built-in memory upon receipt of an

instruction from an external control device; and

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access arranging means for generating a wait request signal to cause the clock signal to wait be stopped and carrying out access of the input/output control means with a priority when a contention of access of the processor and the input/output control means to the built-in memory is generated.

3. (Original) The information processing apparatus according to claim 2, further comprising selecting means for switching the access of the processor and the input/output control means to the built-in memory,

wherein the access arranging means outputs a control signal to the selecting means when a request for the access of the input/output control means to the built-in memory is generated during the access of the processor to the built-in memory, and

the selecting means receiving the control signal switches the access of the processor to the access of the input/output control means to the built-in memory.

4. (Original) The information processing apparatus according to claim 2, further comprising holding means for holding read data output from the built-in memory before a wait operation of the processor during the wait operation of the processor,

wherein the access arranging means switches read data to be supplied to the processor between the read data output from the built-in memory and the read data held by the holding means.

5. (Currently Amended) A memory access arranging method of an information processing apparatus including data storing means and first and second data input/output means for giving access to the data storing means, comprising the steps of:

causing a clock <u>signal</u> for the second data input/output means to <u>wait</u> <u>be stopped and not</u> allowing the second data input/output means to access the data storing means when a contention

of the access of the first data input/output means and the second data input/output means to the data storing means is generated;

executing the access of the first data input/output means earlier than the second data input/output means; and

canceling the stop of the clock signal wait of the second data input/output means after ending the access of the first data input/output means, and executing the access of the second data input/output means.

6. (Currently Amended) A memory access arranging method of an information processing apparatus including a processor for carrying out a pipeline processing over an instruction, a memory provided in the processor, and input/output control means for executing access to the memory with a higher priority than the processor, comprising the steps of:

generating a wait request signal for causing a clock <u>signal</u> supplied to the processor to wait <u>be stopped</u> when a contention of access of the processor and the input/output control means to the memory is generated;

switching the access of the processor to the access of the input/output control means to the memory; and

canceling the elock wait <u>request signal</u> of the processor after ending the access of the input/output control means to the memory, and executing the access of the processor to the memory.

7. (Currently Amended) A memory access arranging method of an information processing apparatus having a processor for carrying out a pipeline processing over an instruction, a memory provided in the processor, input/output control means for executing access to the memory with a higher priority than the processor, and holding means for holding read data

output from the memory before a wait operation of the processor during the wait operation of the processor, comprising the steps of:

holding the read data output from the memory before the wait operation of the processor when a contention of read access of the input/output control means is generated for a period in which the processor gives continuous read access to the memory;

causing a clock signal supplied to the processor to wait be stopped;

executing the access of the input/output control means to the memory; and

canceling the <u>stop of the</u> clock <u>signal</u> wait of the processor after ending the access of the input/output control means to the memory, supplying the data held in the holding means to the processor, and restarting the access of the processor to the memory.